$ 2

CROSS - MATH

BUKI LTD

10 - Adult

39

CROSS - MATH

This block contains 20 CROSS - MATH puzzles.
They are a combination of a crossword puzzle and a mathematical problem. Cross-math puzzles are a fascinating pastime for adults and teach children to combine the three basic mathematical functions of addition, subtraction & multiplication through play.
In this first Cross-math block are some puzzles that are easy to solve and some that are very difficult. The rules are easy and are explained on the first page. All solutions are given on the pages at the end of the block.

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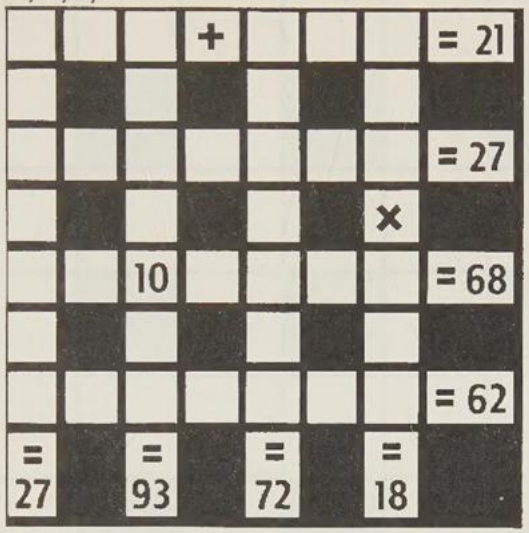
CROSS-MATH

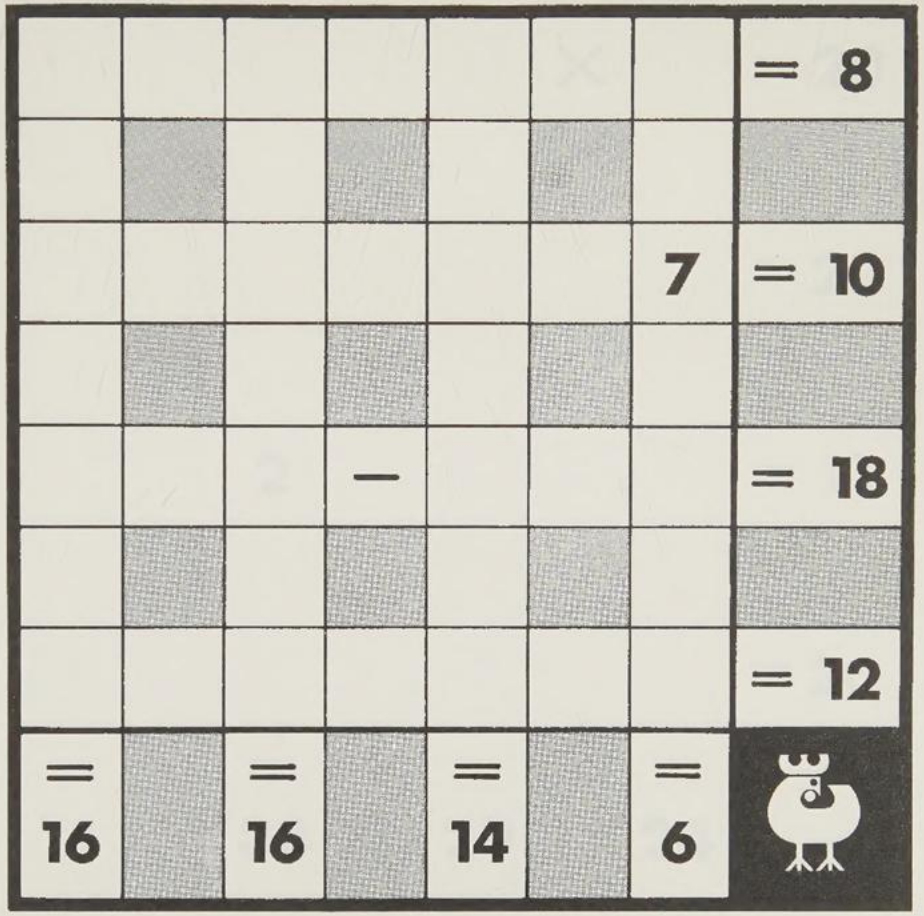
4,6,7,10



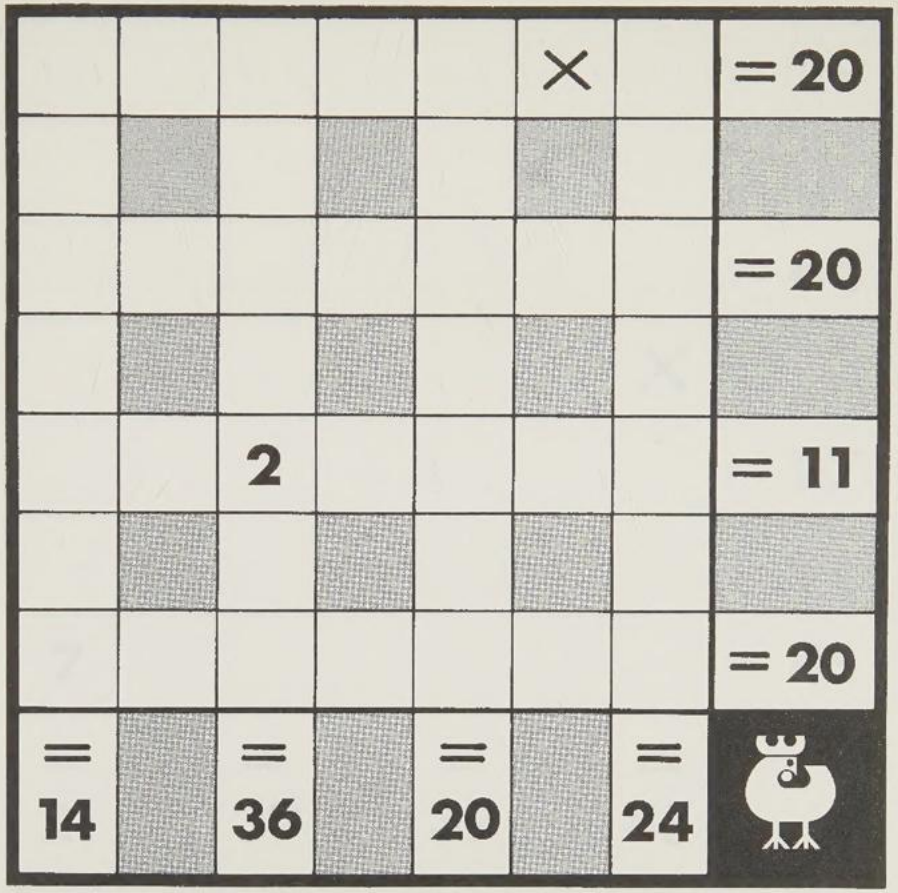
solution of this crossmath -puzzle is given on cover.

Arrange the four numbers given above the crossmath-puzzles using one plus, one minus and one multiplication sign in such a way that the results correspond with the given result in each row. Each number and each mathematical sign may be used once only in each row.
Note : The sequence of calculations is as written (top to bottom and left to right) and not according to the usual rules of mathematics, e.g. 4 + 3 x 5 - 2 = 33 and not 17 as would be when giving preference to the multiplication sign.

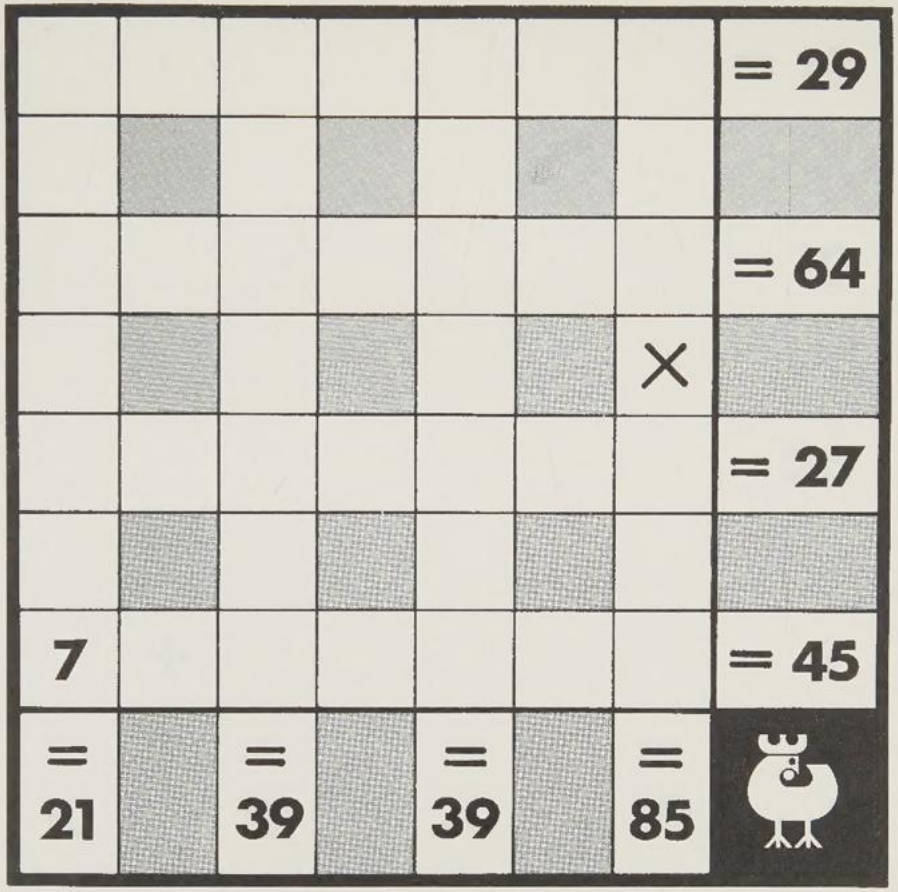
1,2,3,7



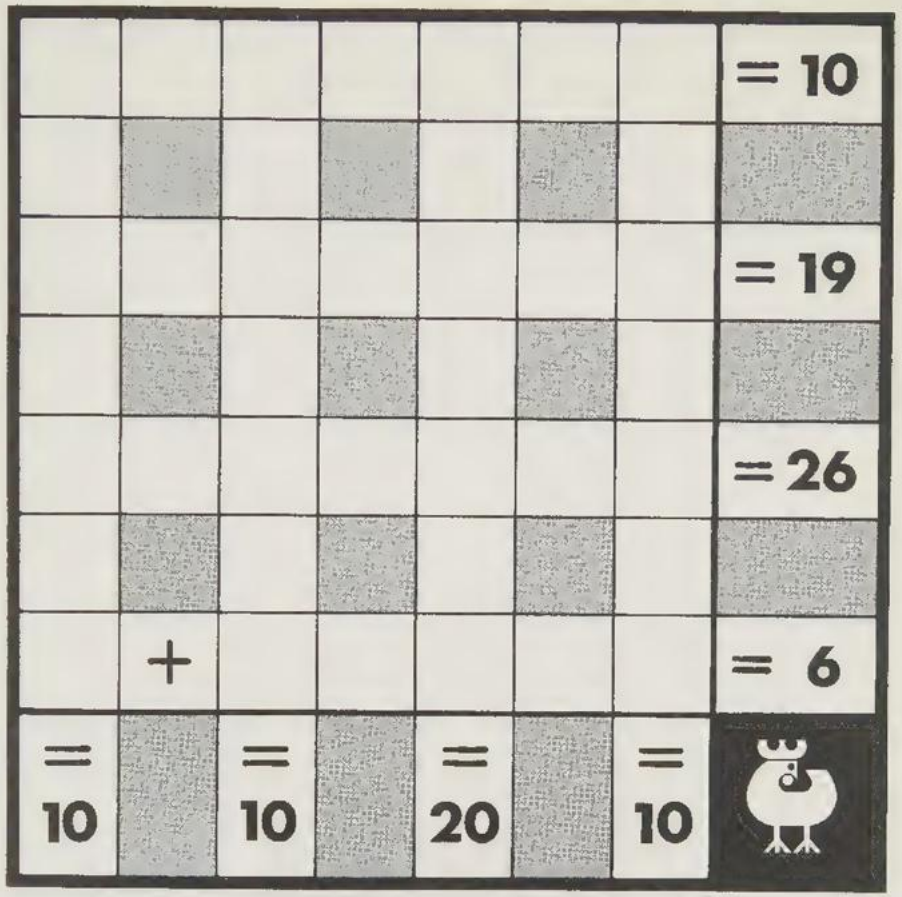
2,4,6,9



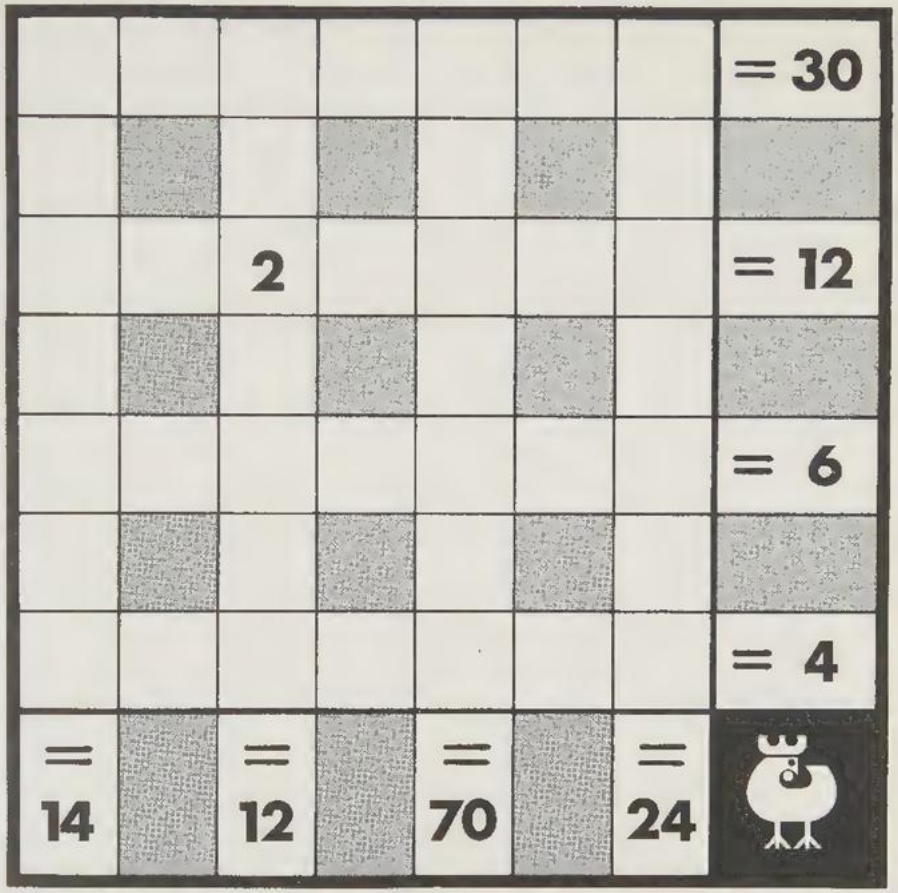
5,6,7,8



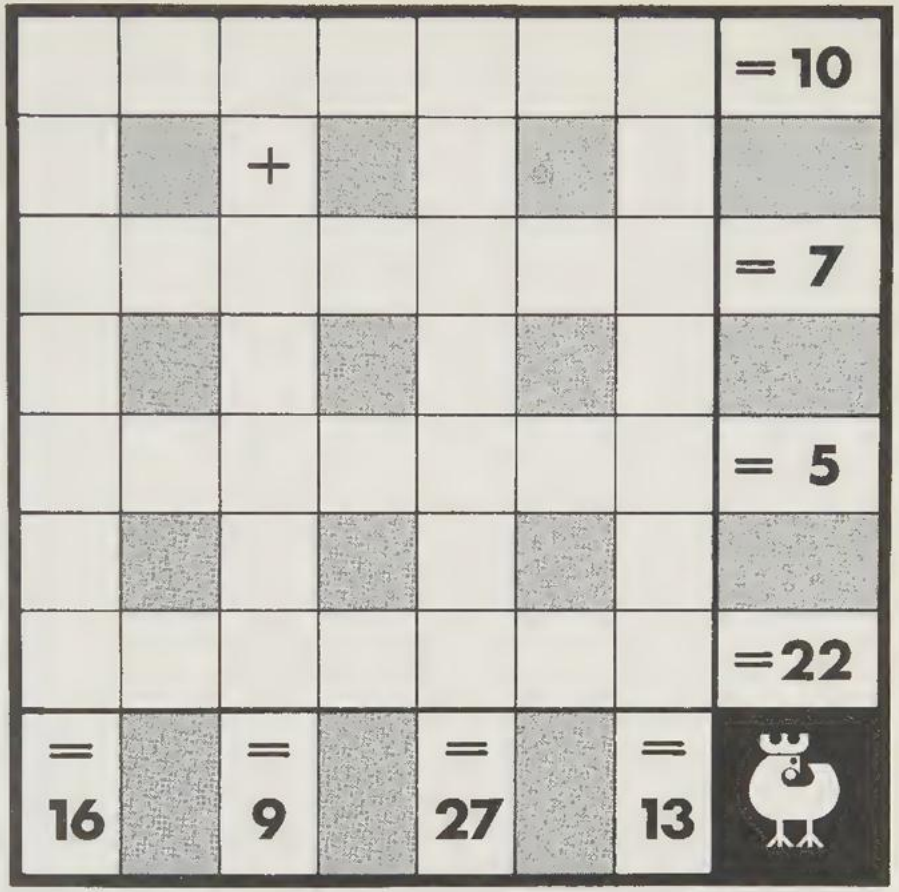
1,2,4,8



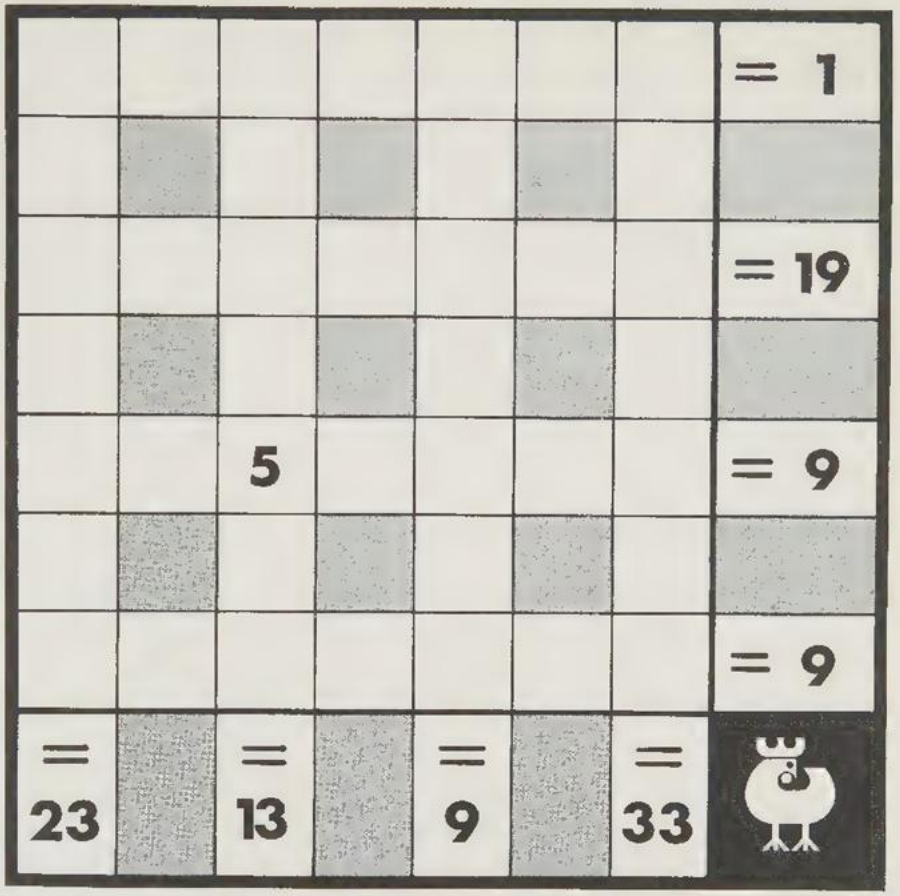
1,2,7,9



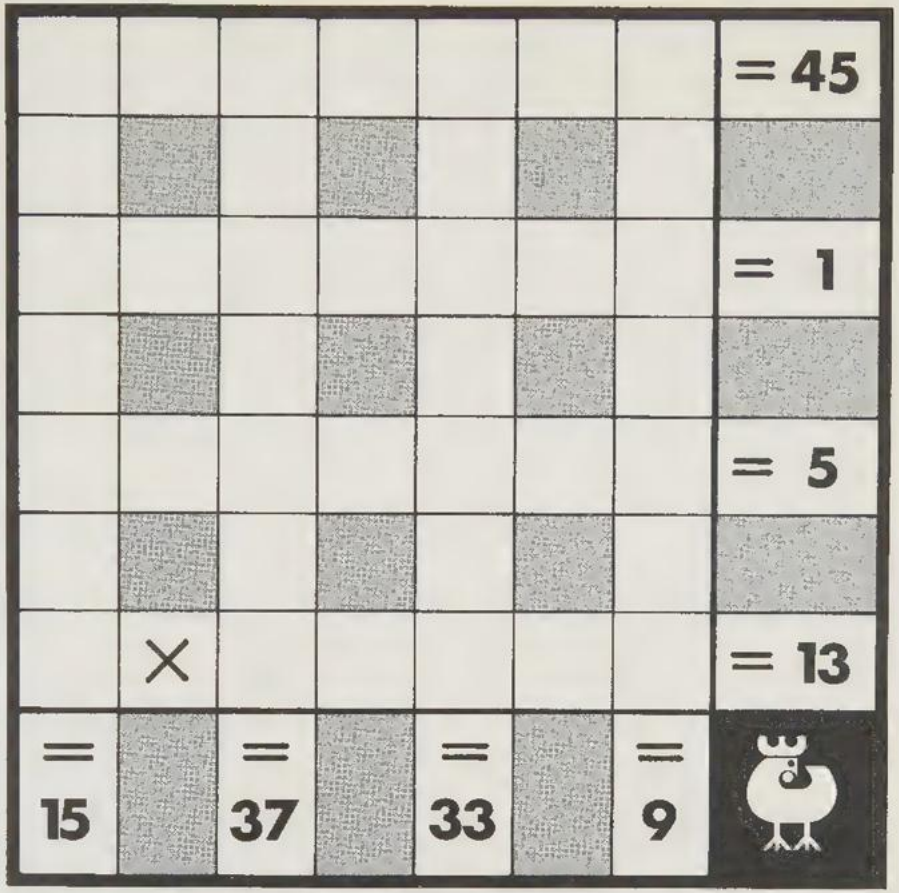
1,3,4,6



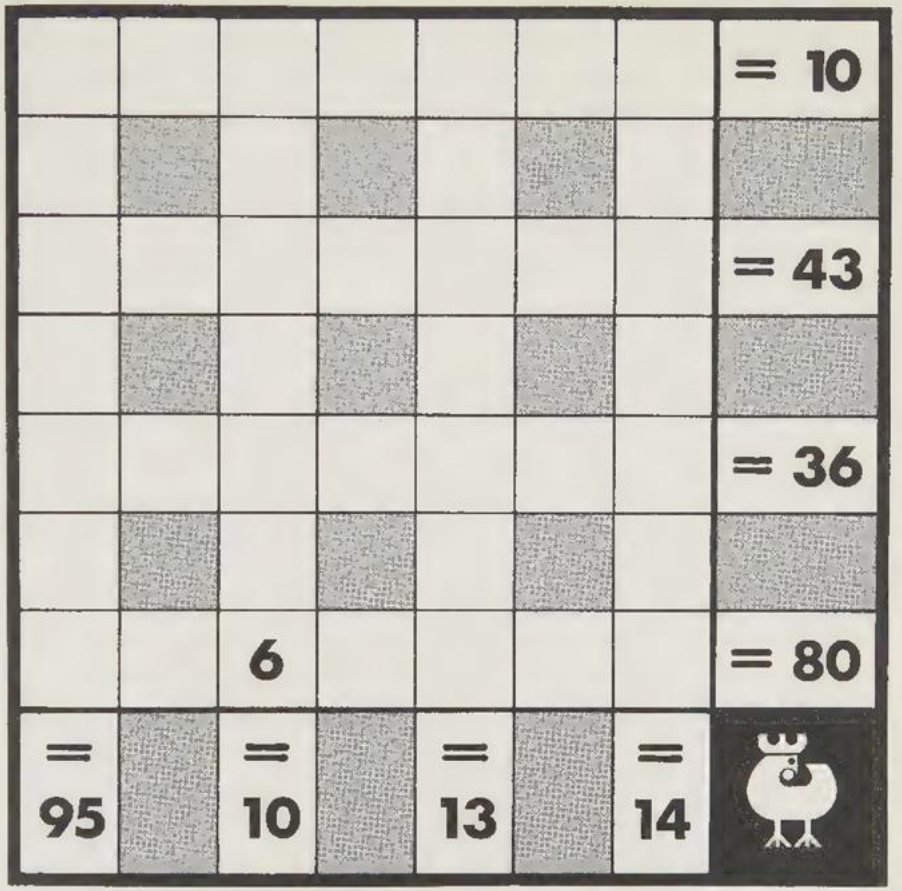
1,3,5,7



1,3,7,9



1,4,6,12



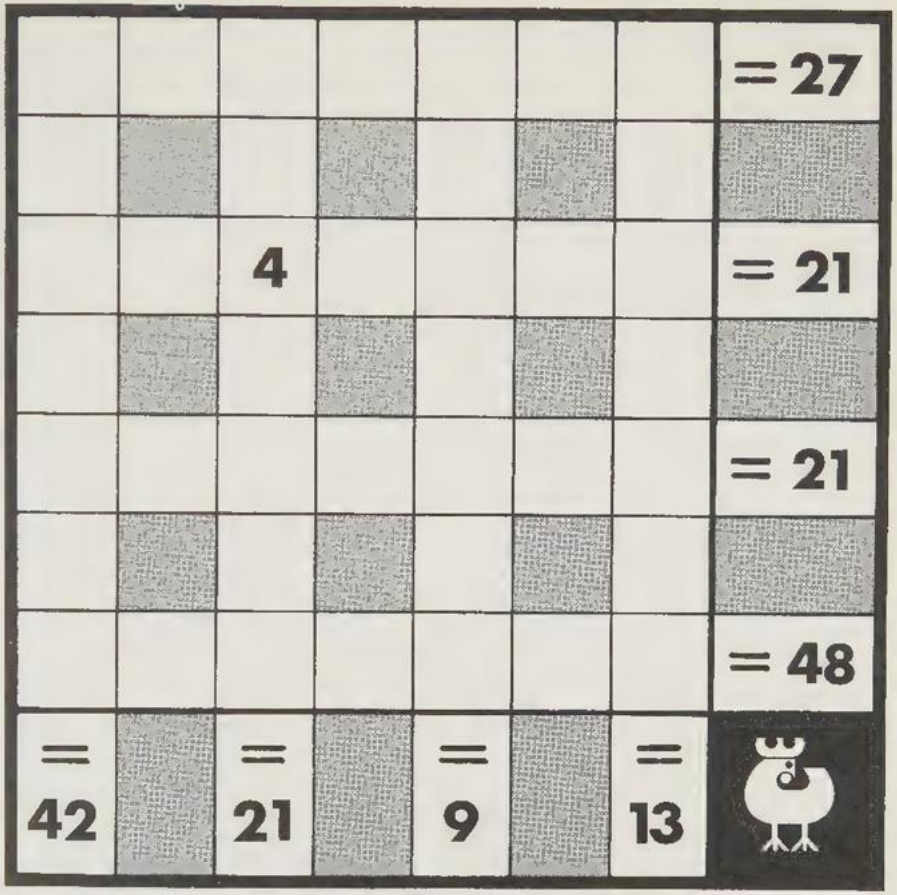
1,5,7,9

							= 7
							= 11
		9					= 15
							= 27
= 39		= 11		= 29		= 31	

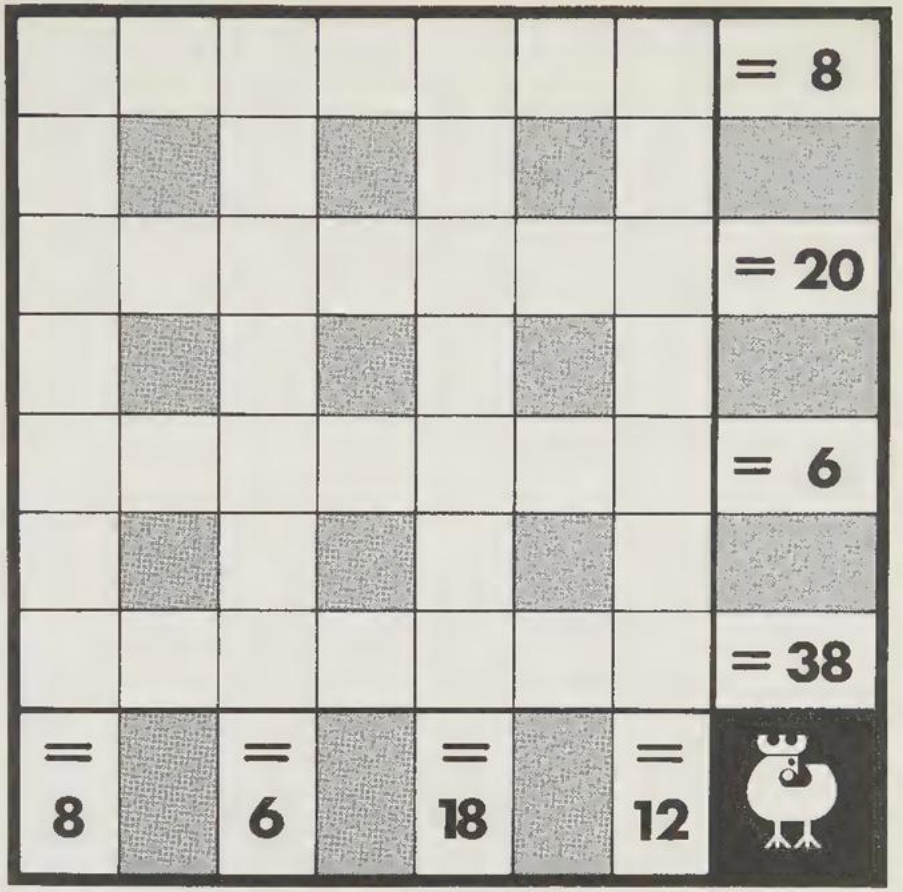
2,3,4,5

		3					= 15
							= 25
				×			
							= 24
−							
							= 25
= 27		= 24		= 25		= 15	

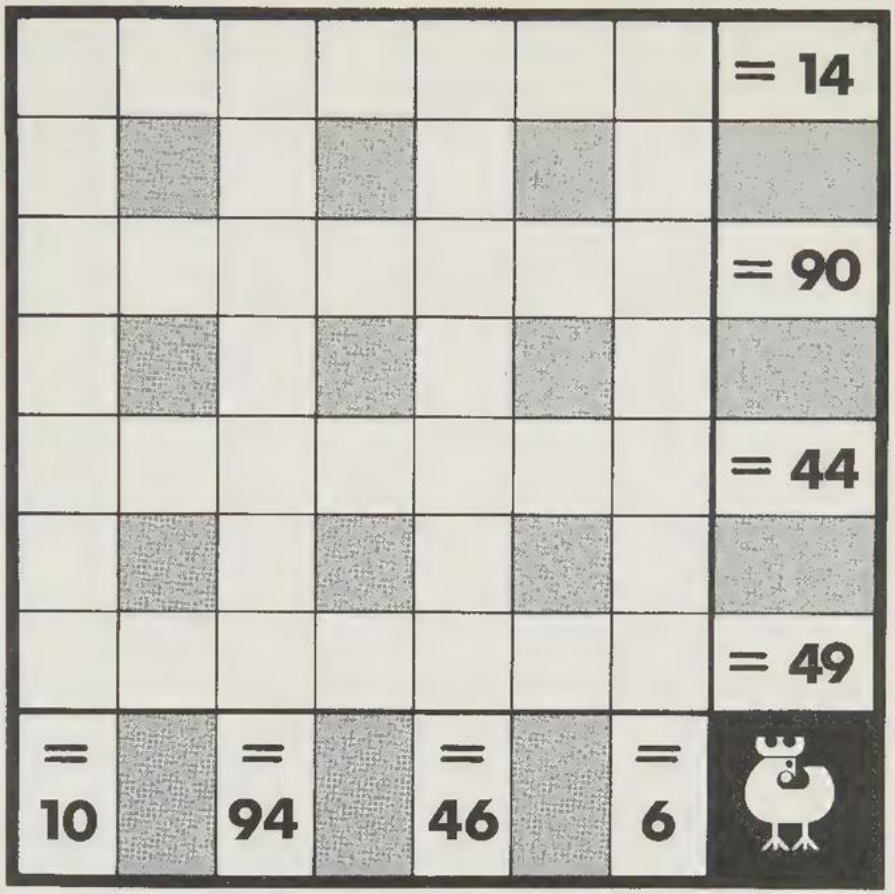
3,4,6,9



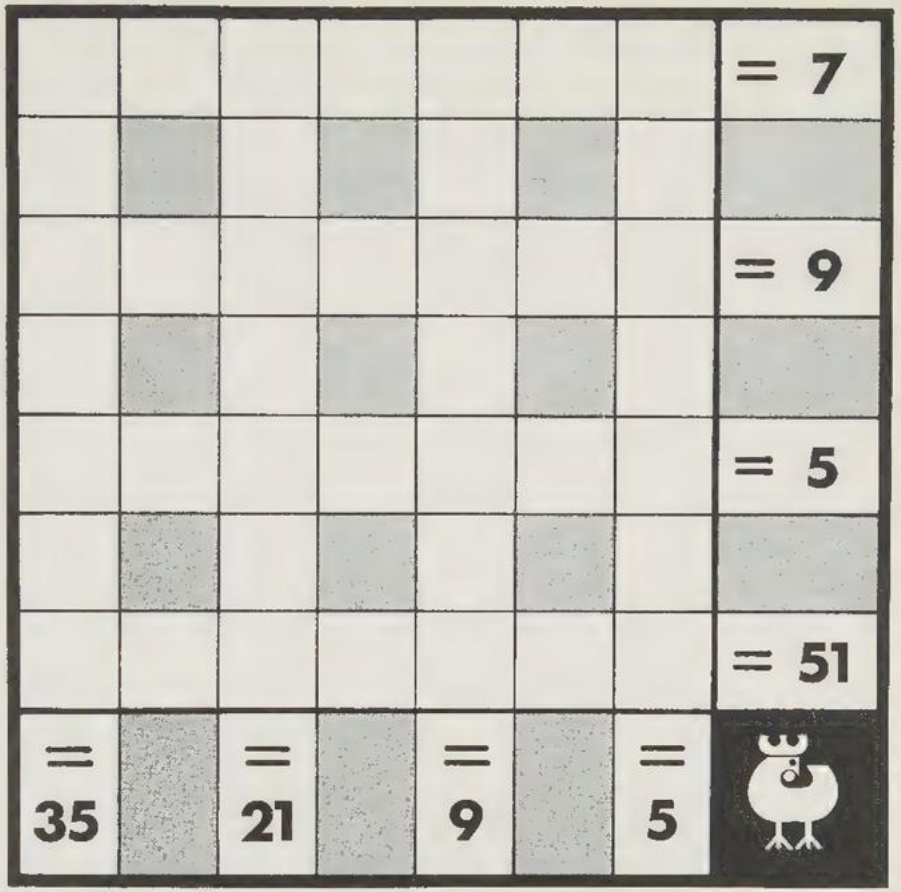
1,4,5,7



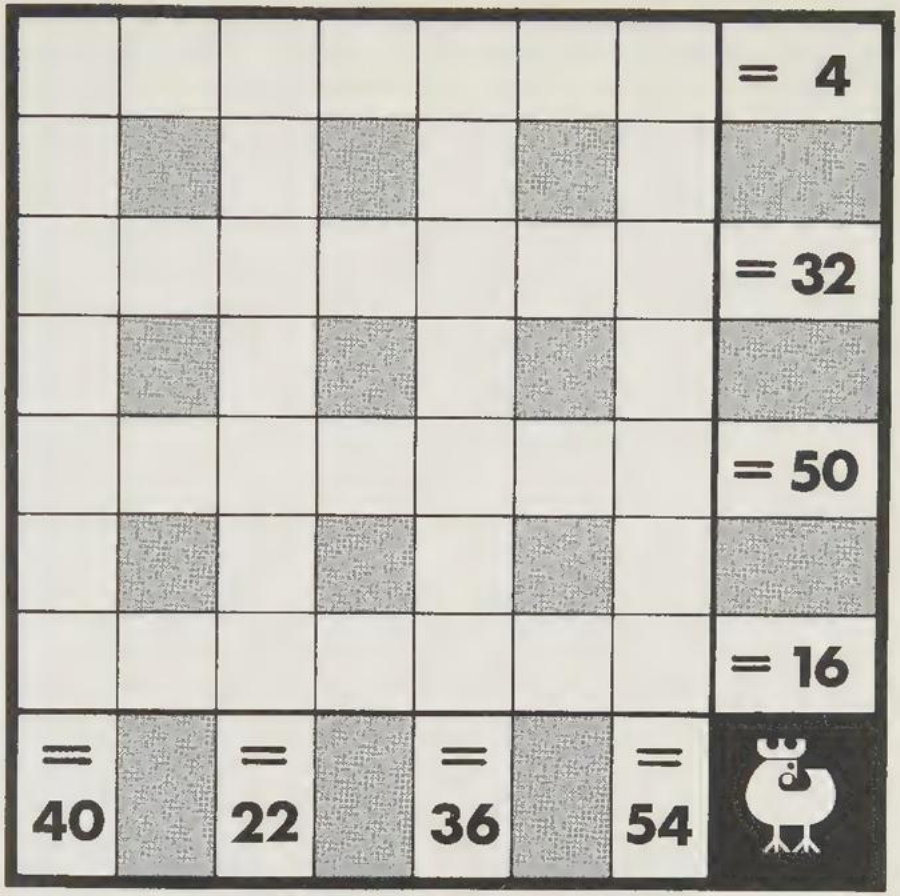
1,5,9,10



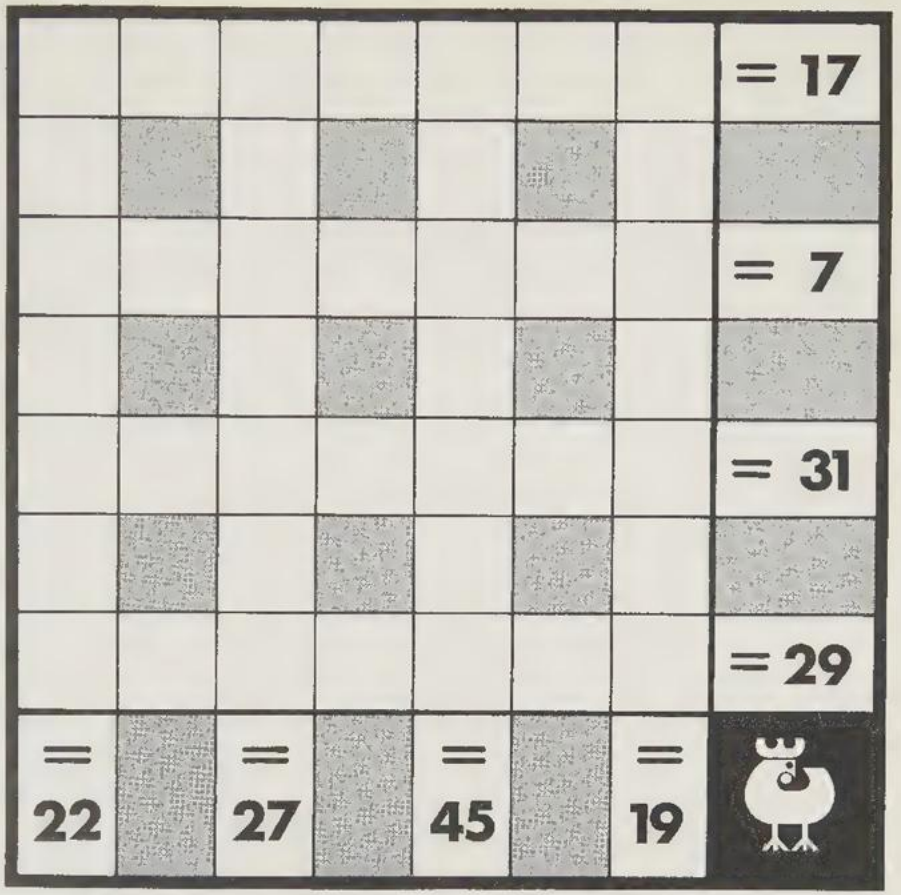
1,6,7,8



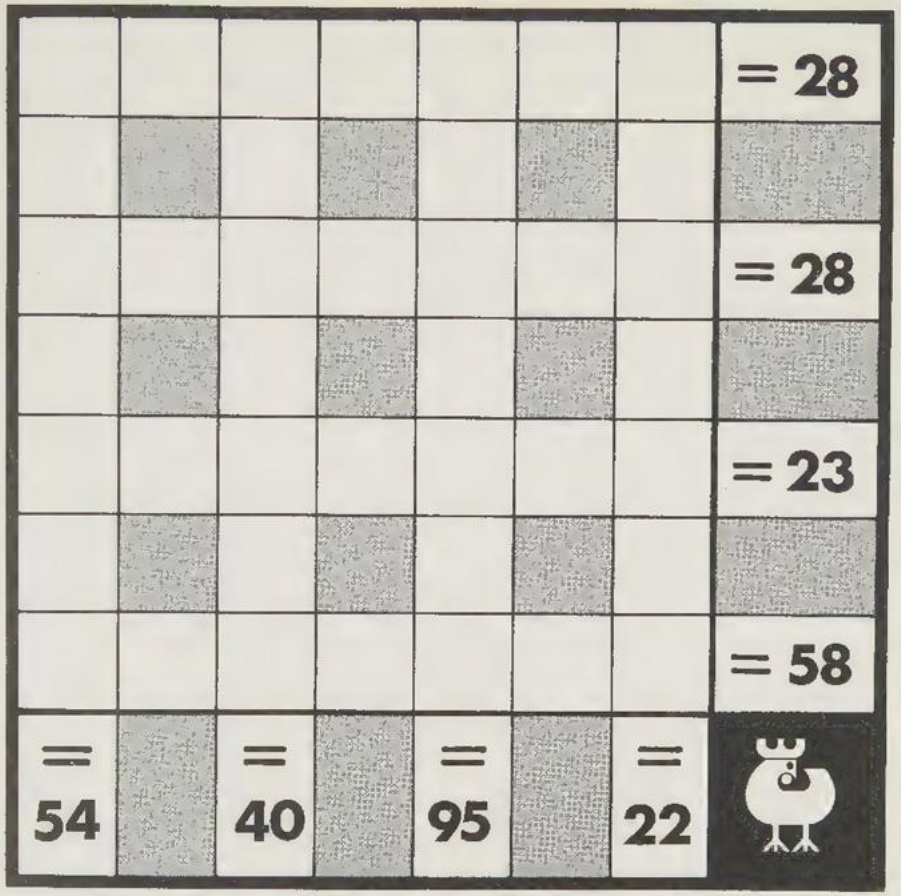
2,3,5,9



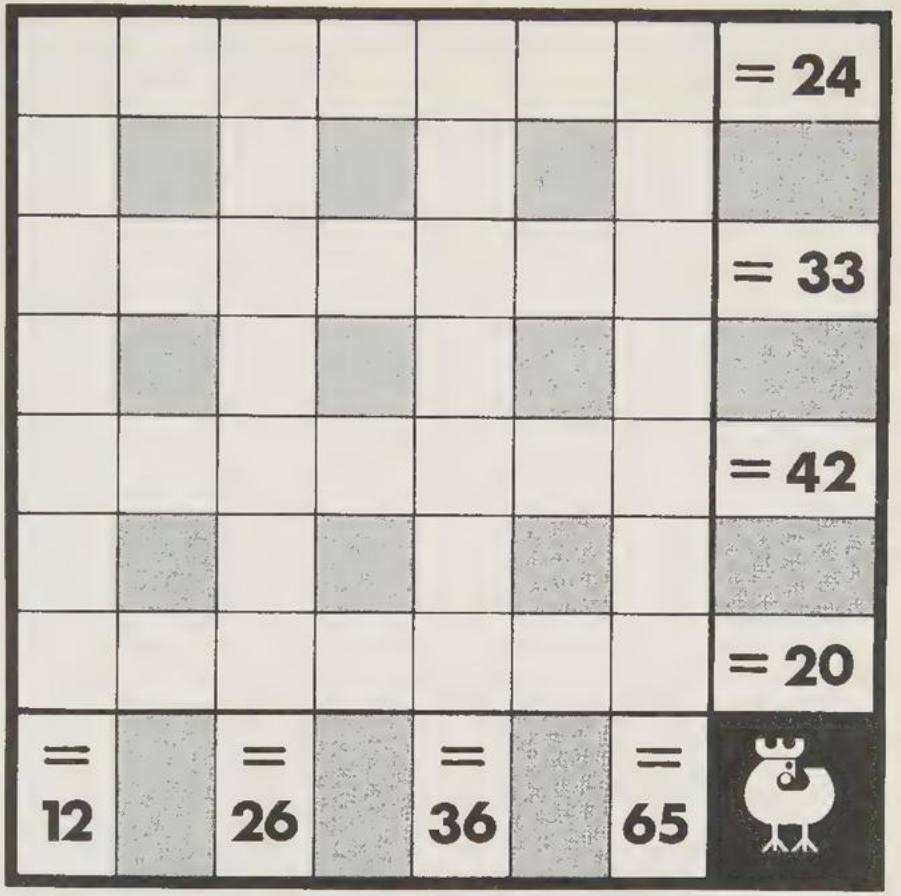
2,5,7,10



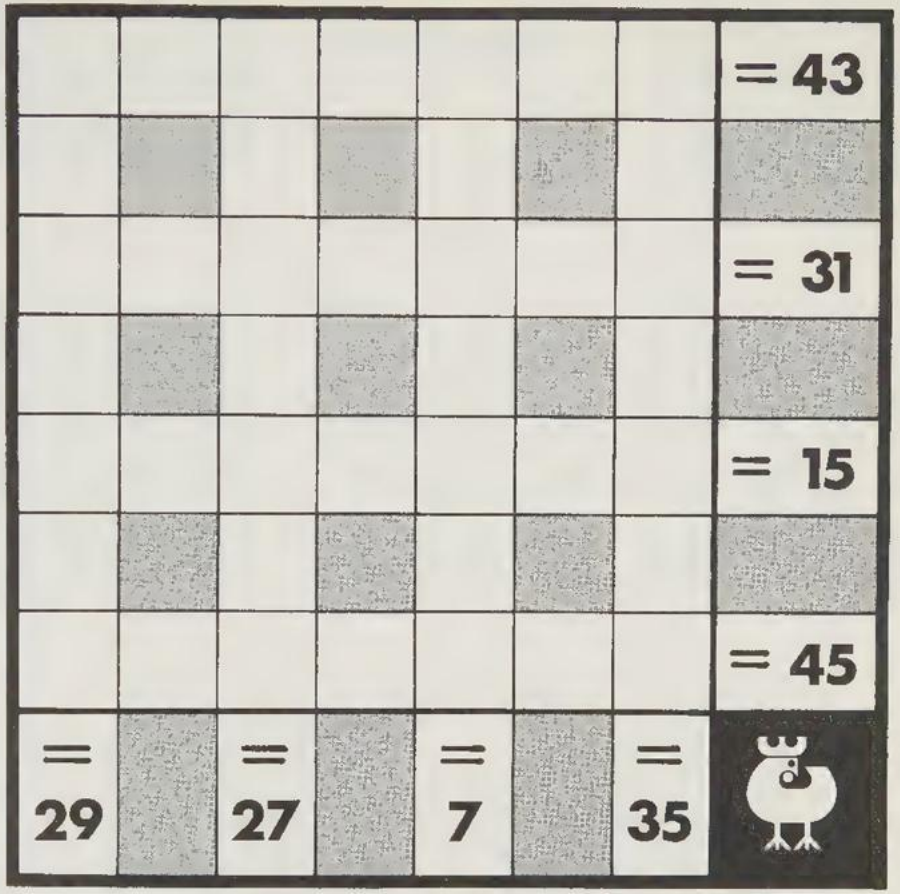
3,5,7,10



3,6,7,9



3,7,8,10



SOLUTIONS

1,2,3,7

7	+	3	×	1	−	2	= 8
×		−		+		+	
2	−	1	×	3	+	7	= 10
−		×		−		−	
1	+	7	−	2	×	3	= 18
+		+		×		×	
3	×	2	+	7	−	1	= 12
= 16		= 16		= 14		= 6	

1,2,4,8

1	×	4	−	2	+	8	= 10
+		−		+		+	
8	×	2	−	1	+	4	= 19
−		×		×		−	
4	−	1	×	8	+	2	= 26
×		+		−		×	
2	+	8	−	4	×	1	= 6
= 10		= 10		= 20		= 10	

1,2,7,9

7	+	9	−	1	×	2	= 30
×		×		+		×	
1	+	2	×	7	−	9	= 12
−		−		×		−	
2	×	7	−	9	+	1	= 6
+		+		−		+	
9	×	1	+	2	−	7	= 4
= 14		= 12		= 70		= 24	

1,3,4,6

3	+	1	×	4	−	6	= 10
−		+		+		−	
1	×	4	+	6	−	3	= 7
×		×		−		×	
6	+	3	×	1	−	4	= 5
+		−		×		+	
4	×	6	−	3	+	1	= 22
= 16		= 9		= 27		= 13	

1,3,5,7

1	×	3	+	5	−	7	= 1
+		+		+		×	
3	−	1	×	7	+	5	= 19
×		×		×		−	
7	−	5	+	1	×	3	= 9
−		−		−		+	
5	+	7	−	3	×	1	= 9
= 23		= 13		= 9		= 33	

1,3,7,9

1	+	7	−	3	×	9	= 45
+		−		×		+	
7	+	3	−	9	×	1	= 1
×		×		−		−	
3	+	9	×	1	−	7	= 5
−		+		+		×	
9	×	1	+	7	−	3	= 13
= 15		= 37		= 33		= 9	

1,4,5,7

5	×	1	−	4	+	7	= 8
+		×		+		−	
7	−	4	+	1	×	5	= 20
−		+		×		+	
4	+	7	−	5	×	1	= 6
×		−		−		×	
1	+	5	×	7	−	4	= 38
= 8		= 6		= 18		= 12	

1,4,6,12

12	×	1	+	4	−	6	= 10
+		×		×		×	
4	×	12	−	6	+	1	= 43
×		+		+		+	
6	−	4	+	1	×	12	= 36
−		−		−		−	
1	+	6	×	12	−	4	= 80
= 95		= 10		= 13		= 14	

1,5,7,9

5	×	1	+	9	−	7	= 7
×		×		−		+	
9	+	7	−	5	×	1	= 11
+		+		×		×	
1	+	9	−	7	×	5	= 15
−		−		+		−	
7	×	5	+	1	−	9	= 27
= 39		= 11		= 29		= 31	

1,5,9,10

10	+	9	−	5	×	1	= 14
−		+		−		×	
9	+	10	−	1	×	5	= 90
+		×		×		+	
1	+	5	×	9	−	10	= 44
×		−		+		−	
5	−	1	×	10	+	9	= 49
= 10		= 94		= 46		= 6	

1,6,7,8

6	+	8	×	1	−	7	= 7
×		+		×		+	
7	×	1	+	8	−	6	= 9
+		−		+		−	
1	×	6	+	7	−	8	= 5
−		×		−		×	
8	×	7	−	6	+	1	= 51
= 35		= 21		= 9		= 5	

2,3,4,5

4	×	3	+	5	−	2	= 15
+		+		+		+	
2	+	5	×	4	−	3	= 25
×		−		×		×	
5	−	2	+	3	×	4	= 24
−		×		−		−	
3	+	4	−	2	×	5	= 25
= 27		= 24		= 25		= 15	

2,3,5,9

2	×	5	−	9	+	3	= 4
+		−		+		−	
9	−	3	×	5	+	2	= 32
−		+		−		+	
3	+	9	−	2	×	5	= 50
×		×		×		×	
5	×	2	−	3	+	9	= 16
= 40		= 22		= 36		= 54	

2,4,6,9

9	−	6	+	2	×	4	= 20
−		−		+		−	
6	−	4	×	9	+	2	= 20
×		+		−		×	
4	×	2	−	6	+	9	= 11
+		×		×		+	
2	×	9	−	4	+	6	= 20
= 14		= 36		= 20		= 24	

2,5,7,10

10	−	7	×	5	+	2	= 17
×		×		×		×	
2	×	5	−	10	+	7	= 7
−		+		−		+	
5	−	2	×	7	+	10	= 31
+		−		+		−	
7	+	10	×	2	−	5	= 29
= 22		= 27		= 45		= 19	

3,4,6,9

3	+	6	×	4	−	9	= 27
+		−		+		−	
9	−	4	×	3	+	6	= 21
×		×		−		×	
4	+	9	−	6	×	3	= 21
−		+		×		+	
6	−	3	+	9	×	4	= 48
= 42		= 21		= 9		= 13	

3,6,7,9

6	+	9	−	7	×	3	= 24
+		×		×		+	
7	−	3	×	6	+	9	= 33
−		−		+		×	
9	+	7	×	3	−	6	= 42
×		+		−		−	
3	×	6	+	9	−	7	= 20
= 12		= 26		= 36		= 65	

3,5,7,10

5	×	7	+	3	−	10	= 28
×		+		+		−	
10	×	3	−	7	+	5	= 28
+		×		×		×	
7	−	5	×	10	+	3	= 23
−		−		−		+	
3	+	10	×	5	−	7	= 58
= 54		= 40		= 95		= 22	

3,7,8,10

10	+	7	×	3	−	8	= 43
×		+		+		+	
3	×	10	+	8	−	7	= 31
+		−		−		×	
7	+	8	−	10	×	3	= 15
−		×		×		−	
8	−	3	×	7	+	10	= 45
= 29		= 27		= 7		= 35	

5,6,7,8

5	×	6	−	8	+	7	= 29
+		×		×		+	
6	+	7	−	5	×	8	= 64
−		+		−		×	
8	−	5	×	7	+	6	= 27
×		−		+		−	
7	+	8	−	6	×	5	= 45
= 21		= 39		= 39		= 85	